BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of Work: IMPROVEMENTS OF ROADS, DRAINS AND OTHER ALLIED WORKS AT A K COLONY, MARUTHI NAGARA AND SURROUNDING AREA IN WARD NO. 11 KODIGEHALLI.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	483.19	Removing and resetting of footpath slab	Sqm	235.00	Rupees Two Hundred Thirty Five Only
2	168.00	Dismantling of cement concrete pavement, Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately	Cum	619.30	Rupees Six Hundred Nineteen and Thirty Paise Only
3	194.40	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. In all kinds of soils Depth upto 1.5 m	Cum	266.20	Rupees Two Hundred Sixty Six and Twenty Paise Only
4	117.20	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface waterincluding of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.	Sqm	1287.00	Rupees One Thousand Two Hundred Eighty Seven Only
5	3.60	Providing and fixing 230mm thick pre cast reinforced concrete slab as per design and drawing material cost,transportation, hire charges of machinery complete with all lead and lift conveyance charges labour charges inclusive of cost of all materials	Sqm	5037.00	Rupees Five Thousand Thirty Seven Only
6	168.00	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.In all kinds of soils upto 300 mm depth	Cum	104.50	Rupees One Hundred Four and Fifty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
7	126.00	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 14:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 140 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 7 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing	Cum	5412.00	Rupees Five Thousand Four Hundred Twelve Only
8	126.00	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383:2016:, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, primer, sealant, curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.	Cum	7429.40	Rupees Seven Thousand Four Hundred Twenty Nine and Forty Paise Only
9	1.00	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including econnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test	Each	5288.00	Rupees Five Thousand Two Hundred Eighty Eight Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
10	150.00	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) 0-50mtrs	Mtr	370.00	Rupees Three Hundred Seventy Only
11	150.00	50-100mtrs	Mtr	464.00	Rupees Four Hundred Sixty Four Only
12	150.00	100-150mtrs	Mtr	493.00	Rupees Four Hundred Ninety Three Only
13	150.00	150-200mtrs	Mtr	572.00	Rupees Five Hundred Seventy Two Only
14	150.00	200-250mtrs	Mtr	671.00	Rupees Six Hundred Seventy One Only
15	150.00	250-300mtrs	Mtr	740.00	Rupees Seven Hundred Forty Only
16	150.00	300-350mtrs	Mtr	868.00	Rupees Eight Hundred Sixty Eight Only
17	120.00	350-400mtrs	Mtr	937.00	Rupees Nine Hundred Thirty Seven Only
18	180.00	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty.	Mtr	1933.00	Rupees One Thousand Nine Hundred Thirty Three Only
19	30.00	PVC pipes of 10 Kg/cm2 for 200mm	Mtr	1155.00	Rupees One Thousand One Hundred Fifty Five Only
20	3.00	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge	Each	164.00	Rupees One Hundred Sixty Four Only
21	23400.00	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	Sq Cm	0.43	and Forty Three Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
22	3.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI Union confirming to IS 1239-II, 1991 with latest amendments if any	Job	267.00	Rupees Two Hundred Sixty Seven Only
23	9.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.	Each	213.00	Rupees Two Hundred Thirteen Only
24	9.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for:	Each	275.01	Rupees Two Hundred Seventy Five and One Paise Only
25	3.00	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Each	6500.00	Rupees Six Thousand Five Hundred Only
26	3.00	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	Each	1450.00	Rupees One Thousand Four Hundred Fifty Only
27	3.00	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5"	Nos	326.13	Rupees Three Hundred Twenty Six and Thirteen Paise Only
28	3.00	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00"	Each	77963.00	Rupees Seventy Seven Thousand Nine Hundred Sixty Three Only
29	165.00	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover)	Mtr	3050.00	Rupees Three Thousand Fifty Only
30	1950.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtr	245.00	Rupees Two Hundred Forty Five Only
31	3.00	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	8764.00	Rupees Eight Thousand Seven Hundred Sixty Four Only
32	3.00	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Nos	1250.00	Rupees One Thousand Two Hundred Fifty Only
33	3.00	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Nos	1250.00	Rupees One Thousand Two Hundred Fifty Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
34	3.00	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box.	Nos	1150.00	Rupees One Thousand One Hundred Fifty Only
35	3.00	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete	Nos	138.00	Rupees One Hundred Thirty Eight Only
36	405.00	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work	Cum	532.40	Rupees Five Hundred Thirty Two and Forty Paise Only
37	900.00	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.75mm(weight of pipe - 0.917 kg)	Mtr	192.00	Rupees One Hundred Ninety Two Only
38	405.00	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum	176.00	Rupees One Hundred Seventy Six Only
39	1418.59	Unload ing, Loading & Carriage of MaterialsLoading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 14 m3)	Cum	148.50	Rupees One Hundred Forty Eight and Fifty Paise Only
40	1197.31	Cost of Haulage Excluding Loading and Unloading,Taking output 18 t load and lead 10 km = 100 t.km	t.km	88.00	Rupees Eighty Eight Only

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))